

Title (en)

HUMAN-ROBOT COLLABORATION WORKSTATION WITH A MOUNTING DEVICE

Title (de)

MRK-ARBEITSPLATZ MIT EINER AUFSPANNVORRICHTUNG

Title (fr)

POSTE DE TRAVAIL POUR COLLABORATION HOMME-ROBOT ÉQUIPÉ D'UN DISPOSITIF DE MONTAGE

Publication

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Application

EP 15728787 A 20150528

Priority

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Abstract (en)

[origin: WO2015185442A1] The invention relates to a human-robot collaboration workstation, comprising a robot (1) which has a robot controller (3) and a robot arm (2) comprising a plurality of joints (4) and members (5-12) connecting said joints (4), the joints (4) of said robot arm being adjusted automatically by the robot controller (3) in order to move or hold in space a tool (14a) or workpiece (14b) held by the robot arm (2) by adjusting the joints (4) of the robot arm (2). Said human-robot collaboration workstation further comprises a mounting device (17) which has a stationary base frame (19) and a fixing device (18) that is configured to hold in place a workpiece (14b) or a tool (14a) such that the workpiece (14b) and/or tool (14a) held on the mounting device (17) is/are to be mounted and/or machined in interaction with the robot arm (2), wherein the mounting device (17) has a mechanical adjusting device (20) and a triggering device (21) that can be controlled by the robot controller (3) and the adjusting device (20) is configured to automatically adjust the fixing device (18) in relation to the base frame (19) from an operating position to a safety position if the triggering device (21) is activated.

IPC 8 full level

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